

# FAX

Date: June 10. 2004

To: Mark Close - L&I

From: Ethan Construction LLC

Re: Certification of Hazards Corrected Report

FAX Number: (206) 835-1099

No of pages: 6

Message:

Mark, here is the report we discussed.

Pictures will be forwarded once I get them off the camera.

Call if there are questions.

Thanks,

Paul W. Jackson

FAXED  
6/10 13:10

# Certification of Hazards Corrected

Ethan Construction LLC  
WISHA Consultation #: 502909237

Item #	Instances	Correction Date	Date Fully Corrected	Explain what you did to correct each instance. Use attachments if you need more space.
1	1	06/04/2004	05/23/04	Original Asbestos contractor returned and cleaned the 10" pipe, wiped horizontal surfaces adjacent to the 10" pipe area and HEPA vacuumed the floors. 3 surface wipe samples were collected with analytical results of non-detected. 1 air sample was collected with results of <0.002 f/cc (Enclosed)
2	1	06/04/2004	06/03/04	Visual inspection revealed 2 small areas of weld not cleaned to non-visible condition. Areas were cleaned and encapsulant applied to all surfaces. Pictures were taken of the encapsulated pipe
3	1	06/04/2004	06/04/04	All Ethan Construction field laborers successfully completed an Asbestos Awareness Training presentation.
4	1	06/04/2004	On Going	A asbestos abatement contractor has removed all bulk asbestos from the facility. Any remaining asbestos is incidental to the original survey and is being addressed as it makes an appearance. An example is the removal of a wall penetration above stairwell in Building 21. A certified asbestos worker under the supervision of a certified asbestos supervisor will perform the removal of this less than 1 square feet of ACM.
5	1	06/04/2004	06/04/04	The Good Faith Inspection purpose was discussed during the Asbestos Awareness Training. Since there is no bulk asbestos remaining in the Ethan Construction LLC area, there is no update for the original inspection. A visual walk through is performed during the 2 X a week "Walk Around Report" conducted by the project's Competent Person.
6	1	06/04/2004	On Going	Air and residual dust samples analysis reveal asbestos, arsenic and cadmium well below the PEL for air and Percent for dusts. Sample results are included with this response.

I certify that the hazards described in the conditions report have been corrected, as described above. I am aware that knowingly providing false information to WISHA may result in criminal penalties (RCW 49.17.190(2)).

Signature: Paul W Jackson Name: Paul W Jackson  
Title: ENVIRONMENTAL CONSULTANT Date: June 10, 2004

\* ASBESTOS SUPERVISOR NO: 200401948A  
BUILDING INSPECTOR NO: 1007483  
PROJECT DESIGNER NO 1007681

RCLLC 0000435

**Paul W. Jackson  
& Associates**

3604 Beach Drive S.W.  
Seattle, WA 98116-2739

*Your project partner!*

**Sampling Data Sheet**

for

**Asbestos, Lead, Mold & Other**

BATCH ID

**2407552.00**

**L A B S**

ANALYSIS OF MATERIALS SERVICE

(Please Type or Print)

Client Name: EDMUND CONSTRUCTION

Project#: 050504

Job Location: RAILISS BROWNEY

NVL Batch #: \_\_\_\_\_

Total Samples 1

Results Needed By 3 PM  
Company \_\_\_\_\_

Date \_\_\_\_\_

Sampled by: <u>P. Jackson</u>	<u>PAUL JACKSON &amp; ASSOCIATES</u>	Date: <u>5/28/04</u>
Relinquished by: <u>P. Jackson</u>		
Received by: <u>[Signature]</u>		
Analyzed by: <u>THOMAS ARMED</u>	<u>NVL</u>	<u>6/1/04 2:34 PM</u>
Reviewed by: _____		

Sample ID: <u>JAB-9-A1</u>	Location: _____						
Sample Type: <u>AREA</u>	Activities: _____						
Protection: _____	Worker: _____						
Decon: _____	Time: Start <u>4:16</u> Rate: Start <u>10</u>						
Environment: <u>AGGRESSIVE AIR</u>	End <u>4:25</u> End <u>10</u>						
Pump #: <u>3</u>	Time: _____	Rate: _____	Liters	Fibers /fields	LOD	Fibers /cc	
Date: <u>5-28-04</u>	Minutes= <u>129</u>	Average= <u>10</u>	<u>1290</u>	<u>100</u>	<u>0.002</u>	<u>0.002</u>	

Sample ID: _____	Location: _____						
Sample Type: _____	Activities: _____						
Protection: _____	Worker: _____						
Decon: _____	Time: Start _____ Rate: Start _____						
Environment: _____	End _____ End _____						
Pump #: _____	Time: _____	Rate: _____	Liters	Fibers /fields	LOD	Fibers /cc	
Date: _____	Minutes= _____	Average= _____					

Sample ID: _____	Location: _____						
Sample Type: _____	Activities: _____						
Protection: _____	Worker: _____						
Decon: _____	Time: Start _____ Rate: Start _____						
Environment: _____	End _____ End _____						
Pump #: _____	Time: _____	Rate: _____	Liters	Fibers /fields	LOD	Fibers /cc	
Date: _____	Minutes= _____	Average= _____					

Sample ID: _____	Location: _____						
Sample Type: _____	Activities: _____						
Protection: _____	Worker: _____						
Decon: _____	Time: Start _____ Rate: Start _____						
Environment: _____	End _____ End _____						
Pump #: _____	Time: _____	Rate: _____	Liters	Fibers /fields	LOD	Fibers /cc	
Date: _____	Minutes= _____	Average= _____					

**SAMPLE TYPES**

- |                     |                        |
|---------------------|------------------------|
| P Pre abatement     | X Aggressive clearance |
| A Area              | FB Field blank         |
| I Inside reg. area  | TB Trip blank          |
| O Outside reg. area | B Breathing zone (TWA) |
| H HEPA exhaust      | C Ceiling (STEL)       |
| CL Clearance        |                        |

- RESP. PROT**
- |                        |
|------------------------|
| PA Pressure dem. air   |
| CA Continuous flow air |
| PAPR                   |
| F Full face mask APR   |
| M Half face mask APR   |

**CONTROLS**

- DECON.**
- |                      |
|----------------------|
| D,S Decon. w/ shower |
| D Decon. w/o shower  |

- ENVIRONMENT**
- |                |
|----------------|
| H HEPA vac.    |
| N Negative air |
| G Glovebag     |
| O Outside      |

Page LOFL  
Summit 7000 3

TOTAL P. 02

**RCLLC 0000436**

Paul W. Jackson  
& Associates

3604 Beach Drive S.W.  
Seattle, WA 98116-2739

Your project partner!

Bulk Sample  
Field Data Sheet



Matrix: Asbestos / Lead / Mold / Other \_\_\_\_\_

Client Name: Kathia Construction

Job Location: RAINIER BREWERY

Project#: 050504

NVL Batch #: \_\_\_\_\_

Total Samples 4

Sampled By	Date	Time
<u>P. JACKSON</u>	<u>FEB 04</u>	

Results Needed By:
<u>3 DAYS</u>

Line #	Sample#	Homogeneous Material Description	Sample Location	Floor #/Room #/Other	%	Quantity (ft <sup>3</sup> / lb)	Enable Cond
1	<u>528-9-W1</u>	<u>DUST</u>	<u>AT ACM REMOVAL</u>				
2	<u>529-9-W2</u>		<u>AT WEST BLUE HEAT EXCHANGER</u>				
3	<u>529-9-W3</u>		<u>AT MILLER'S HEAT EXCHANGER</u>				
4	<u>529-9-W4</u>		<u>AT ACM REMOVAL</u>				
5							
6							
7			<u>ALL FROM HORIZONTAL</u>				
8			<u>SURFACES</u>				
9							
10							
11							
12							
13							
14							
15							

Comments:  
PLEASE FAX DUST RESULTS TO 206-992-1123

**NVL Laboratories, Inc.**

4708 Aurora Ave. N., Seattle, WA 98103  
Tel: 206.547.0100, Fax: 206.634.1936  
www.nvllabs.com

**NVLAP**

#102063

**Bulk Asbestos Fibers Analysis**

By Polarized Light Microscopy

Client: Paul W. Jackson & Associates, Inc.  
Address: 3604 Beach Drive SW  
Seattle, WA 98116  
Attention: Mr. Paul Jackson  
Project Location: Rainier Brewery

**Batch #: 2407551.00**

Client Project #: 05-05-04  
Samples Received: 4  
Samples Analyzed: 4  
Method: EPA/600R-93/116

**Lab ID: 24041697 Client Sample #: 528-9-W1**

Location: Rainier Brewery

Comments: Qualitative analysis was conducted for the presence of asbestos fibers in this sample.

Layer 1 of 1 Description: Brown dust

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Fine particles, Binder/Filler, Rust	Cellulose	Chrysotile <1%
	Mineral wool	

**Lab ID: 24041698 Client Sample #: 528-9-W2**

Location: Rainier Brewery

Comments: Qualitative analysis was conducted for the presence of asbestos fibers in this sample for layer 1

Layer 1 of 2 Description: Brown dust

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Fine particles, Binder/Filler, Rust	Cellulose	Chrysotile >1%
Synthetic foam	Mineral wool	

Layer 2 of 2 Description: Gray fibrous material

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Fine particles, Glass beads	Cellulose 5%	None Detected ND
	Mineral wool 30%	

**Lab ID: 24041699 Client Sample #: 528-9-W3**

Location: Rainier Brewery

Comments: Qualitative analysis was conducted for the presence of asbestos fibers in this sample.

Layer 1 of 1 Description: Gray dust

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Fine particles, Binder/Filler, Synthetic foam	Cellulose	None Detected ND
	Mineral wool	

**Lab ID: 24041700 Client Sample #: 528-9-W4**

Location: Rainier Brewery

Comments: Qualitative analysis was conducted for the presence of asbestos fibers in this sample.

Layer 1 of 1 Description: Light gray dust

Non-Fibrous Materials:	Other Fibrous Materials: %	Asbestos Type: %
Fine particles, Binder/Filler	Cellulose	Chrysotile <1%
	Mineral wool	Amosite >1%

Sampled by: Client

Analyzed by: Lyudmila Manzar

Date: 06/03/2004

**DRAFT**

Note: If samples are not homogeneous, then subsamples of the components were analyzed separately. All bulk samples are analyzed using EPA 600/R-93/116 Method with the following measurement uncertainties for the reported % Asbestos (1%=0-3%, 5%=1-9%, 10%=5-15%, 20%=10-30%, 50%=40-60%). This report relates only to the items tested. If sample was not collected by NVL personnel, then the accuracy of the results is limited by the methodology and acuity of the sample collector. This report shall not be reproduced except in full, without written approval of NVL Laboratories, Inc. It shall not be used to claim product endorsement by NVLAP or any other agency of the US Government.

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TOTAL P.03

**RCLLC 0000438**

**NVL Laboratories, Inc.**

4708 Aurora Ave. N., Seattle, WA 98103  
 Tel: 206.547.0100, Fax: 206.534.1936  
 www.nvllabs.com

**Analysis Report**

AHA - IH  
 #101861

**Total Metals**

Client: Paul W. Jackson & Associates, Inc.  
 Address: 3604 Beach Drive SW  
 Seattle, WA 98116  
 Attention: Mr. Paul Jackson  
 Project Location: Rainier Brewery

Batch #: 2407249.00  
 Matrix: Air Filter  
 Method: NIOSH 7300  
 Client Project #: 050504  
 Samples Received: 4  
 Total Samples Analyzed: 4

Lab ID	Client Sample #	Elements	Vol (L)	RL ug/m3	Results in ug/filter	Results in ug/m3
24039811	524-25-CA1	Arsenic (As)	924	2.2	< 2.0	< 2.2
		Cadmium (Cd)	924	1.1	< 1.0	< 1.1
		Lead (Pb)	924	2.2	< 2.0	< 2.2
24039812	524-25-CA2	Arsenic (As)	927	2.2	2.0	2.2
		Cadmium (Cd)	927	1.1	< 1.0	< 1.1
		Lead (Pb)	927	2.2	< 2.0	< 2.2
24039813	524-25-CA3	Arsenic (As)	927	2.2	< 2.0	< 2.2
		Cadmium (Cd)	927	1.1	< 1.0	< 1.1
		Lead (Pb)	927	2.2	< 2.0	< 2.2
24039814	524-25-QA	Arsenic (As)	0	N/A	2.0	N/A
		Cadmium (Cd)	0	N/A	1.0	N/A
		Lead (Pb)	0	N/A	2.0	N/A

Sampled by: Client  
 Analyzed by: Cheston Perry

Date: 06/01/2004

**DRAFT**

ug/ m3 = Micrograms per cubicmeter  
 N/A = Not Applicable

RL = Reporting Limit  
 '<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Bench Run No: 24-0601-4

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RCLLC 0000439

**NVL Laboratories, Inc.**

4708 Aurora Ave. N., Seattle, WA 98103  
Tel: 206.547.0100, Fax: 206.634.1936  
www.nvllabs.com

**Analysis Report**

AIHA - IH  
#101861

**Total Metals**

Client: Paul W. Jackson & Associates, Inc.  
Address: 2440 Alki Avenue SW # 303  
Seattle, WA 98116

Attention: Mr. Paul Jackson

Project Location: Rainier Brewery

Batch #: 2406482.00

Matrix: Air Filter

Method: NIOSH 7300

Client Project #: 050504

Samples Received: 3

Total Samples Analyzed: 3

Lab ID	Client Sample #	Elements	Vol (L)	RL ug/m3	Results in ug/filter	Results in ug/m3
24035086	S11-25-1	Arsenic (As)	1530	1.3	2.1	1.4
		Cadmium (Cd)	1530	0.7	< 1.0	< 0.7
		Lead (Pb)	1530	1.3	< 2.0	< 1.3
24035087	S11-25-2	Arsenic (As)	1376	1.5	< 2.0	< 1.5
		Cadmium (Cd)	1376	0.7	< 1.0	< 0.7
		Lead (Pb)	1376	1.5	< 2.0	< 1.5
24035088	S11-25-3	Arsenic (As)	0	N/A	< 2.0	N/A
		Cadmium (Cd)	0	N/A	< 1.0	N/A
		Lead (Pb)	0	N/A	< 2.0	N/A

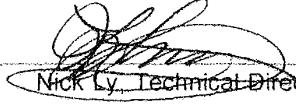
Sampled by: Client

Analyzed by: Cheston Perry

Reviewed by: Nick Ly

Date: 05/17/2004

Date: 05/17/2004

  
Nick Ly, Technical Director

ug/ m3 = Micrograms per cubicmeter

N/A = Not Applicable

RL = Reporting Limit

'<' = Below the reporting Limit

Note : Method QC results are acceptable unless stated otherwise.

Bench Run No: 24-0514-1

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RCLLC 0000440